PATENT COOPERATION TREATY

PCT

Translation INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference						
104019-WO-00	FOR FURTHER ACTION	See Form PCT/IPEA/416				
International application No.	International filing date (day/month/year)	Priority date (day/month/year)				
PCT/JP2004/004761	01.04.2004	02.04.2003				
International Patent Classification (IPC) or nati	onal classification and IPC					
Applicant						
SUMITOMO ELECTRIC IN	DUSTRIES, LTD.					
This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.						
2. This REPORT consists of a total of	•	luding this cover sheet.				
3. This report is also accompanied by A						
a. (sent to the applicant and	to the International Bureau) a total of 8	sheets, as follows:				
	· —					
	sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental						
Box.						
b (sent to the International	Bureau only) a total of (indicate type and n	number of electronic carrier(s))				
		, containing a sequence listing and/or tables				
related thereto, in compute Section 802 of the Adminis		supplemental Box Relating to Sequence Listing (see				
4. This report contains indications relat	ing to the following items:					
Box No. I Basis of the	e report					
Box No. II Priority						
Box No. III Non-establ	ishment of opinion with regard to novelty,	inventive step and industrial applicability				
Box No. IV Lack of un	ity of invention					
	citations and explanations supporting such statement					
Box No. VI Certain do	Box No. VI Certain documents cited					
Box No. VII Certain del	Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application						
Date of submission of the demand	Date of completion	n of this report				
		-				
Name and mailing address of the IPEA/JP	Authorized officer	Authorized officer				
	j					
Facsimile No.	Telephone No.	Telephone No.				

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/004761

Box No. I	Basis of the report						
	 With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item. 						
	This report is based on translations from the original language into the following language which is the language of a translation furnished for the purposes of:						
	international search (Rule 12.3 and 23.1(b))						
	publication of the international application (Rule 12.4)	1					
	international preliminary examination (Rule 55.2 and/o	or 55.3)					
rece	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):						
	the international application as originally filed/furnished						
\boxtimes	the description:						
	pages 1,2,6-13		as originally filed/furnished				
	pages* _3,3/1,4,5,5/1	received by this Authority on	20.12.2004				
	pages*	received by this Authority on					
\boxtimes	the claims:						
	nos. 2,3,7,9,10		as originally filed/furnished				
	nos.*		with any statement) under Article 19				
	nos.* 1,4,6,8		·				
	nos.*						
\boxtimes	the drawings:	<u> </u>					
	sheets fig. 1-11		as originally filed/furnished				
	sheets*	received by this Authority on					
	sheets*	·					
	a sequence listing and/or any related table(s) – see Supplem	ental Box Relating to Sequence List	ting.				
3.	The amendments have resulted in the cancellation of:		-				
	the description, pages						
	the claims, nos. 5						
	any table(s) related to sequence listing (specify):						
4.	This report has been established as if (some of) the amend they have been considered to go beyond the disclosure as fi	ments annexed to this report and li	sted below had not been made, since				
	the claims, nos.						
	the sequence listing (specify): any table(s) related to sequence listing (specify):						
*_ <i>If it</i>	em 4 applies, some or all of those sheets may be marked "sup						



International application No.
PCT/JP2004/004761

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement			
	Novelty (N)	Claims	1-4, 6-10	YES
		Claims		NO
	Inventive step (IS)	Claims	1-4, 6-10	YES
		Claims		NO
	Industrial applicability (IA)	Claims	1-4, 6-10	YES
		Claims		NO

- 2. Citations and explanations (Rule 70.7)
 - Document 1: JP 2002-232230 A (Toshiba Corp.), 16 August 2002, paragraphs [0007] to [0099] and fig. 1 to 9 (Family: none)
 - Document 2: WO 2001/037374 Al (Automotive Systems
 Laboratory, Inc.), 25 May 2001, page 8, line
 22 to page 9, line 18 and fig. 10 & US
 2002/0003505 Al & EP 1236245 Al & JP 2003514477 A
 - Document 3: JP 2581719 Y2 (DX Antenna Co., Ltd.), 17 July 1998, paragraphs [0007] to [0015] and fig. 1 to 8 (Family: none)
 - Document 4: JP 2581718 Y2 (DX Antenna Co., Ltd.), 17 July 1998, paragraphs [0007] to [0015] and fig. 1 to 6 (Family: none)
 - Document 5: US 6266029 B1 (Datron/Transco Inc.), 24 July 2001, columns 1 to 4 and fig. 1 to 4 & WO 00/038079 A1

The invention that is set forth in claims 1 to 4 and 6 to 10 is not disclosed in any of the documents that are cited in the international search report, and would not have been obvious to a person skilled in the art.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/JP2004/004761

Box	No. VI Certain documents cited			
1.	Certain published documents (Rule 70.10)			
	Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
	JP 2003-110350 A	11.04.2003	28.09.2001	
	[E,X]			
ļ				
2.	Non-written disclosures (Rule 70.9)			
	Kind of non-written disclosure	Date of non-written d	isclosure refer	Date of written disclosure ring to non-written disclosure (day/month/year)